

STEVE VICK INTERNATIONAL LTD

PRODUCT SAFETY DATA SHEET



POLYURETHANE HARDENER MX-1

According to the REACH Regulations EC No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.
Issue date 13/11/2023 Revision date 13/11/2023 Version 7

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product form: Mixture
Product name: POLYURETHANE HARDENER MX-1

1.2 Product identifier

1.2.1 Relevant identified uses

Main use category: Professional use
Use of the substance/mixture: Sealant

1.2.2 Uses advised against

Restrictions on use: No uses have been identified that are advised against

1.3 Details of the supplier of the safety data sheet

Supplier: Steve Vick International Limited
19 Treenwood Industrial Estate
Bradford on Avon
BA15 2AU
Tel 01225 864 864 email: info@stevevick.com

1.4 Emergency telephone number

EMERGENCY TELEPHONE NUMBER: +44(0)207 858 1228

Country	Organisation / Company	Address	Emergency Number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs & Therapeutic Centre	16/17 Framlington Place Newcastle-Upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals
United Kingdom	NHS 111 / NHS 24 / NHS Direct		111 0845 4647	Or call a doctor

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP], as amended for UK law

Acute toxicity (inhalation:dust,mist) Category 4 H332
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Respiratory sensitisation, Category 1 H334



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Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2 -	H351
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335
Specific target organ toxicity – Repeated exposure, Category 2,	H373
Full text of H- and EUH- statements: see section 16	

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP], as amended for UK law



Signal Word (CLP)	Danger
Contains	4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; Formaldehyde, oligomeric reaction products with aniline and phosgene,
Hazard Statements (CLP)	H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H332 Harmful in inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H351 Suspected of causing cancer H373 May cause damage to organs (lungs/respiratory system) through prolonged or repeated exposure (inhalation)

Precautionary Statements (CLP)	P201 Obtain special instructions before use. P271 Use only outdoors or in a well-ventilated area. P280 Wear eye protection, face protection, protective gloves. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER / doctor. P501 Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.
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EUH-statement	EUH204 – Contains isocyanates. May produce an allergic reaction
Extra phrases	As from 24 th August 2023 adequate training is required before industrial or professional use

2.3 Other hazards

Contains no PBT and/or vPvB substances \geq 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable



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3.2 Mixtures

Name	Product identifier	%	Labelling according to Regulation (EC) No 1272/2008 [CLP], as amended for UK law
Formaldehyde, oligomeric reaction products with aniline and phosgene substance with national workplace exposure limits(s) (DE, SI)	CAS number: 9016-87-9 EC number: 500-079-6	≥60	Acute Tox. 4 (Inhalation), H332 (ATE=1.5mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
4,4'-methylenediphenyl diisocyanate; Diphenylmethane-4,4'-diisocyanate substance with national workplace exposure limits(s) (AT, BE, CZ, DE, DK, EE, ES, FR, GR, HU, IE, LT, PL, PT, RO, SE, SI, SK, IS, NO, MK)	CAS number: 101-68-8 EC number: 202-966-0 EC Index-No: 615-005-00-9	≥30 - <60	Carc. 2, H351 Acute Tox. 4 (Inhalation), H332 (ATE=1.5mg/l/4h) STOT RE 2, H373 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317

Specific concentration limits:

Name	Product identifier	Specific concentration limits
4,4'-methylenediphenyl diisocyanate; Diphenylmethane-4,4'-diisocyanate	CAS number: 101-68-8 EC number: 202-966-0 EC Index-No: 615-005-00-9	(0.1 ≤ C ≤ 100) Resp. Sens. 1, H334 (5 ≤ C ≤ 100) Eye Irrit. 2, H319 (5 ≤ C ≤ 100) Skin Irrit. 2, H315 (5 ≤ C ≤ 100) STOT SE 3, H335

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

First aid measures general	If you feel unwell, seek medical advice (show the label where possible)
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt or waistband. If breathing is difficulties persist: Give oxygen or artificial respiration if necessary.
Ingestion:	Rinse mouth out with water. Do not induce vomiting. Give nothing or a little water to drink. Call a poison centre or a doctor if you feel unwell.
Skin:	Wash immediately with plenty of soap and water. Take off immediately all contaminated clothing and wash it before reuse. Sensitisation: contact can cause allergic reactions in humans. Seek medical attention if ill effect develops.
Eyes:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	Inhalation may cause irritation (cough, short breathing, difficulty in breathing)
Symptoms/effects after ingestion	May cause discomfort. May cause stomach cramps and vomiting
Symptoms/effects after skin contact	May cause sensitisation by skin contact. Repeated exposure may cause skin dryness or cracking
Symptoms/effects after eye contact	Irritating to eyes



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4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. May cause sensitisation of susceptible persons by skin contact

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: If there is a fire close by, use suitable extinguishing agents. Water spray. Dry powder. Foam
Unsuitable extinguishing media: Use of heavy stream of water may spread fire.

5.2 Special hazards arising from the substance or mixture

Fire hazards Not flammable. Heating will cause a rise in pressure with a risk of bursting.
Explosion hazard No data available on direct explosion hazard. No data available on indirect explosion hazard.
Hazardous decomposition products in case of fire Toxic fumes may be released.

5.3 Advice for firefighters

Precautionary measures fire Evacuate area. Eliminate all ignition sources if safe to do so.
Firefighting measures Evacuate area. Eliminate all ignition sources if safe to do so. Use water spray or fog for cooling exposed containers.
Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information On exposure to high temperature, may decompose, releasing toxic gases

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures Collect spillage. Dispose of contaminated materials in accordance with current regulations.

6.1.1 For non-emergency personnel

Protective equipment Wear recommended personal protective equipment.
Emergency procedures Ventilate spillage area

6.1.2 For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. For further information refer to section 8. "Exposure controls/personal protection".
Emergency procedures Evacuate unnecessary personnel. Keep away from combustible material.

6.2 Environmental precautions

Avoid release to the environment

6.3 Methods and material for containment and cleaning up

For contamination Keep unnecessary and unprotected personnel away from spillage. Turn leaking containers leak-side up to prevent the escape of liquid. For large spillage, contain the spillage by bunding. Collect the residue by means of a non-combustible absorbent material. Using a clean shovel, put the material in a dry container and cover without compressing it.

Methods for cleaning up Mechanically recover the product

Other information Dispose of contaminated materials in accordance with current regulations

6.4. Reference to other sections

For further information refer to Section 8. "Exposure controls/personal protection". For further information refer to section 13.



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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Keep container tightly closed and away from heat, sparks and flame.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Store in well ventilated place. Keep cool
Storage area Store in well ventilated place.
Special rules on packaging Store in closed container.

7.3 Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2 Recommended monitoring procedures

No additional information available

8.1.3 Air contaminants formed

No additional information available

8.1.4 DNEL and PNEC

4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate (101-68-8)

DNEL/DMEL (Workers)

Acute – local effects, inhalation	0.1mg/m ³
Long-term – local effects, inhalation	0.05mg/m ³

DNEL/DMEL (General population)

Acute – local effects, inhalation	0.05mg/m ³
Long-term – local effects, inhalation	0.025mg/m ³

PNEC (Water)

PNEC aqua (freshwater)	3.7µg/l
PNEC aqua (marine water)	0.37µg/l
PNEC aqua (intermittent, inhalation)	37µg/l

PNEC (Sediment)

PNEC sediment (freshwater)	11.7 mg/kg dwt
PNEC sediment (marine water)	1.17 mg/kg dwt

PNEC (Soil)

PNEC soil	2.33 mg/kg dwt
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Formaldehyde, oligomeric reaction products with aniline and phosgene (9016-87-9)

DNEL/DMEL (Workers)

Acute – local effects, inhalation	0.1mg/m ³
Long-term – local effects, inhalation	0.05mg/m ³

DNEL/DMEL (General population)

Acute – local effects, inhalation	0.05mg/m ³
Long-term – local effects, inhalation	0.025mg/m ³

PNEC (Water)



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PNEC aqua (freshwater)	3.7µg/l
PNEC aqua (marine water)	0.37µg/l
PNEC aqua (intermittent, inhalation)	37µg/l
PNEC (Water)	
PNEC sediment (freshwater)	11.7 mg/kg dwt
PNEC sediment (marine water)	1.17 mg/kg dwt
PNEC (Soil)	
PNEC soil	2.33 mg/kg dwt

8.1.5 Control banding

No additional information available

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Appropriate engineering controls

Ensure good ventilation of the work station

8.2.2 Personal protective equipment

Wear recommended personal protective equipment

Personal protective equipment symbols



8.2.2.1 Eye and face protection

Eye protection:

Chemical goggles or safety glasses

8.2.2.2 Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves, Reusable gloves	Nitrile rubber (NRB)	2 (> 30minutes)	≥ 0.13		EN ISO 374

8.2.2.3 Respiratory protection

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In case of insufficient ventilation, wear suitable respiratory equipment.

Respiratory protection			
Device	Filter type	Condition	Standard
Disposable half mask	Type A - High-boiling (>65°C) organic compounds, Type P3	Protection for Liquid particles, Gas protection	EN 140, EN 14387
Reusable half mask	Type A - High-boiling (>65°C) organic compounds, Type P3	Protection for Liquid particles, Gas protection	EN 140, EN 14387
Full face mask	Type A - High-boiling (>65°C)	Protection for Liquid particles,	EN 136, EN



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organic compounds, Type P3

Gas protection

14387

8.2.2.4 Thermal hazards

No additional information available

8.2.3 Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Brown
Appearance	Clear liquid
Odour	Mild.
Odour threshold	Not available
Melting point	Not determined.
Freezing point	Not available
Boiling point	245°C @ 760mm Hg
Flammability	Not flammable
Explosive properties	Not determined.
Oxidising properties	Does not meet the criteria for classification as oxidising.
Explosive limits	Not applicable.
Lower explosion limit	Not available
Upper explosion limit	Not available
Flash point	230°C Closed cup.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
pH	Not determined.
Viscosity, kinematic	Not available
Viscosity, dynamic	180 - 240 mPa s @ 25°C
Solubility	Not available
Partition coefficient	
n-octanol/water (Log Kow)	Not available.
Vapour pressure	Not determined.
Vapour pressure at 50°C	Not available.
Density	Not available.
Relative density	1.23 @ 20°C
Relative vapour density at 20°C	Not determined.
Particle characteristics	Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No additional information available

9.2.2 Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

This product is non-reactive under normal conditions of use, storage and transport

10.2 Chemical stability



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Stable at normal conditions

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use

10.4 Conditions to avoid

None under recommended storage and handling conditions (See section 7)

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	Not classified.
Acute toxicity (dermal)	Not classified.
Acute toxicity (inhalation)	Harmful if inhaled.

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ATE CLP (dust, mist)	1.5mg/l/4h
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4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)

LD50 oral rat	> 2000 mg/kg Source: ECHA
LD50 dermal rabbit	> 9400 mg/kg Source: ECHA
LC50 Inhalation – Rat (Dust/Mist)	0.49 mg/l Source: ECHA

Formaldehyde, oligomeric reaction products with aniline and phosgene (9016-87-9)

LD50 oral rat	> 2000 mg/kg Source: Corporate Solution From Thomson Micromedex
LD50 dermal rabbit	> 9400 mg/kg Source: Corporate Solution From Thomson Micromedex
LC50 Inhalation – Rat (Vapours)	0.49 mg/l Source: Corporate Solution From Thomson Micromedex

Skin corrosion/irritation	Causes skin irritation pH: Not determined
Serious eye damage/irritation	Causes serious eye irritation pH: Not determined
Respiratory or skin sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction
Germ cell mutagenicity	Not classified
Carcinogenicity	Suspected of causing cancer (inhalation)

4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)

IARC group	3 – Not classifiable
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Formaldehyde, oligomeric reaction products with aniline and phosgene (9016-87-9)

IARC group	3 – Not classifiable
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Reproductive toxicity	Not classified.
STOT - single exposure	May cause respiratory irritation

4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)

STOT - single exposure	May cause respiratory irritation
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Formaldehyde, oligomeric reaction products with aniline and phosgene (9016-87-9)

STOT - single exposure	May cause respiratory irritation
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STOT - repeated exposure May cause damage to organs (lungs/respiratory system) through prolonged or repeated exposure (inhalation)

4,4''-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)	
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure

Formaldehyde, oligomeric reaction products with aniline and phosgene (9016-87-9)	
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure

Aspiration hazard Not classified

11.2 Information on other hazards

No other information available

SECTION 12: Ecological information

12.1 Toxicity

Ecology - general This product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic Environment, short-term (acute) Not classified

Hazardous to the aquatic Environment, long-term (chronic) Not classified

Not rapidly degradable

4,4''-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)	
LC50 – Fish [1]	> 3000 mg/l Source: ECHA
NOEC (chronic)	> 10 mg/l Test organisms (species): Duration '21 d'

Formaldehyde, oligomeric reaction products with aniline and phosgene (9016-87-9)	
NOEC (chronic)	> 10 mg/l Test organisms (species): Duration '21 d'

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

4,4''-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)	
Partition coefficient n-octanol/water (Log Pow)	4.51 Source: ECHA

Formaldehyde, oligomeric reaction products with aniline and phosgene (9016-87-9)	
Partition coefficient n-octanol/water (Log Pow)	10.46 Source: Quantitative Activity Relation

12.4 Mobility in Soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Endocrine disrupting properties

No additional information available

12.7 Other adverse effects

No additional information available



SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods
HP Code:

Dispose of contents/container in accordance with licenced collector’s sorting instructions.

HP5 – “Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:” waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

HP6 – “Acute Toxicity:” waste which can cause acute toxicity effects following oral or dermal administration, or inhalation exposure.

HP7 – “Carcinogenic:” waste which includes cancer or increases its incidence.

HP4 – “Irritant – skin irritation and eye damage:” waste which on application can cause skin irritation or damaging to the eye.

HP13 – “Sensitising:” waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / AND / RID

14.12 UN number or ID number

UN-No. (ADR) Not Applicable
UN-No. (IMDG) Not Applicable
UN-No. (IATA) Not Applicable
UN-No. (ADN) Not Applicable
UN-No. (RID) Not Applicable

14.2 UN proper shipping name

Proper Shipping Name (ADR) Not Applicable
Proper Shipping Name (IMDG) Not Applicable
Proper Shipping Name (IATA) Not Applicable
Proper Shipping Name (ADN) Not Applicable
Proper Shipping Name (RID) Not Applicable

14.3 Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) Not Applicable

IMDG
Transport hazard class(es) (IMDG) Not Applicable

IATA
Transport hazard class(es) (IATA) Not Applicable

ADN
Transport hazard class(es) (ADN) Not Applicable

RID
Transport hazard class(es) (RID) Not Applicable

14.4 Packing group

Packing group (ADR) Not Applicable
Packing group (IMDG) Not Applicable
Packing group (IATA) Not Applicable
Packing group (ADN) Not Applicable



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Packing group (RID) Not Applicable

14.5 Environmental hazard

Dangerous to the environment No
Marine pollutant No
Other information No supplementary information available

14.6 Special precautions for user

Overland transport Not applicable
Transport by sea Not applicable
Air transport Not applicable
Inland waterway transport Not applicable
Rail transport Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
74.	POLYURATHANE HARDENER MX-1 ; 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate	Diisocyanates, O = C=N-R-N = C=O, with R an aliphatic or aromatic hydrocarbon unit of unspecified length

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulations (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulations (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosive Precursors Regulations (2019/1148)

Contains no substance(s) listed on Explosive Precursors list (Regulation EU 2019/1148 on the marketing and use of explosive precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on the market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2 National regulations

No additional information available



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15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

16.1 Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate.
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association.
IMDG	International Maritime Dangerous Goods.
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Levels
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail.
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative.
ED	Endocrine disrupting properties

15.2 Chemical safety assessment

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity
Carc. 2	Carcinogenicity, Category 2
EUH204	Contains isocyanates. May produce an allergic reaction.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.



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H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

This classification complies with ATP 12

DISCLAIMER

THIS INFORMATION RELATES TO THE SPECIFIC MATERIAL DESIGNED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS, TO THE BEST OF THE COMPANY'S KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE INDICATED. HOWEVER, NO WARRANTY, GUARANTEE OR REPRESENTATION IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

